

Stylocline filaginea (Hooked Stylocline)

Family: Asteraceae (Composite)

Status: Monitor species on the State Sensitive Plant List

Known Locations: Blaine, Elmore, Lincoln, Owyhee, Washington Counties, Idaho  
California, NE Nevada, SE Oregon

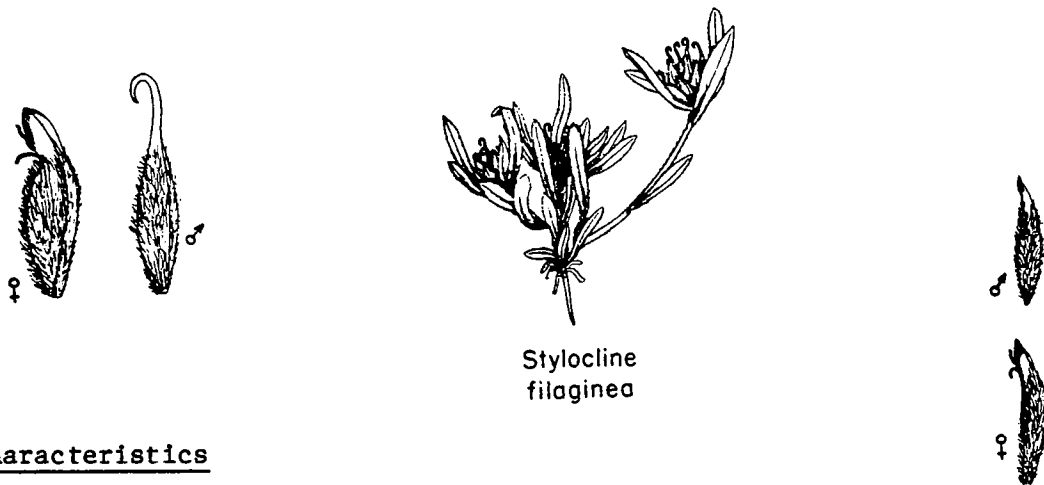
Idaho

T1S, R6W, Sec. 1 1.5 miles N of The Rocks Stage Station, S of Homedale  
T1S, R4E, Sec. 9 1943 record, 2 miles S of Regina  
T3S, R9E, Sec. 1 center Little Canyon, 22 miles N of Glenn's Ferry  
T3S, R10E, Sec. 19 by Canyon Creek, 17.5 miles N of Glenn's Ferry  
T3S, R11E, Sec. 3 SW E of King Hill Creek and S of Dear Heaven Mountain  
T3S, R13E, Sec. 19 SE on rim of Clover Creek, 14 miles S of Hill City  
T4S, R17E, Sec. 6 center near Tom Gooding Lake NW of Shoshone  
T16S, R3E, Sec. 18 1951 record, 2 miles N of the ID/NV border  
T1N, R7E, Sec. 24 NW 1900 record, S Fork Boise River, 8 miles S of Prairie  
Weiser 1900 record  
one mile NNE of Picabo

Soil Type: Shallow stony basalt with cindery gravel on the surface

Habitat and Ecology: A woolly annual of relatively barren sites of cinder over shallow basalt bedrock. The sites are level flats on terraces with little or no drainage, typically at mid-elevations from 4,100-5,000 feet. It was found in Weiser at 2,200 feet in 1900. Sites are commonly surrounded by Alkali sage (*Artemisia longiloba*), Owyhee sage (*A. papposa*), or stiff sage (*A. rigida*). The plant was collected in Eastern Oregon historically, but despite extensive survey work, it has not surfaced in recent years. More range data is needed. Blooms May and June.

Threats: Off-road vehicles, road building, and salt lick placement



Key Characteristics

Woolly annual  
Seldom up to 10 cm tall  
Male flower with hooked point

*S. psilocarphoides*

Texosporium sancti-jacobi (Texas-Spored Lichen)

Class: Ascomycytes (Fungi)

Status: A North American endemic lichen species of very limited distribution but with no official status

Known Locations: Ada County, Idaho  
San Diego, San Benito Counties, California

Idaho  
T1N, R2E, Sec. 28,33

Soil Type: Heavy clay soil

Habitat and Ecology: Grows on heavy clay microsites within the Wyoming big sage-Sandberg bluegrass zone, often associated with rabbitbrush. The known sites are currently dominated by rabbitbrush. The lichen appears to favor open areas with high light intensity. It is thought to be one of the few North American endemic lichens, as lichens are generally wide-ranging, and many are world-wide. This species occurs on only two sites in S. California, and is disjunct in Idaho. It grows on areas as small as one inch in diameter, which makes it difficult to locate. A specimen is kept in the Boise District herbarium and should be examined to assist in field identification. It is called the Texax-spored lichen because of its large-sized spores.

Key Characteristics

Green fruiting body with  
white rims  
Grows adnate to the soil  
or over moss

Trifolium owyheense (Owyhee Clover)

Family: Fabaceae (Legume)

Status: Federal Category II (C2) listed as Priority 1 on the State Sensitive Plant List

Known Locations: Owyhee County, Idaho  
Malheur County, Oregon

Idaho  
T3S, R6W, Sec. 14 center Succor Creek, near the OR-ID border

Soil Type: Volcanic ash and tuff

Habitat and Ecology: A perennial clover on slopes of volcanic ash or loose diatomaceous earth. The surrounding plant community is typically Wyoming big sage-grassland, but the plant usually grows alone or with annuals. It has a restricted habitat and small range, occurring in Leslie Gulch, the Honeycombs, and Succor Creek, so it is primarily found in Oregon. Blooms May and June.

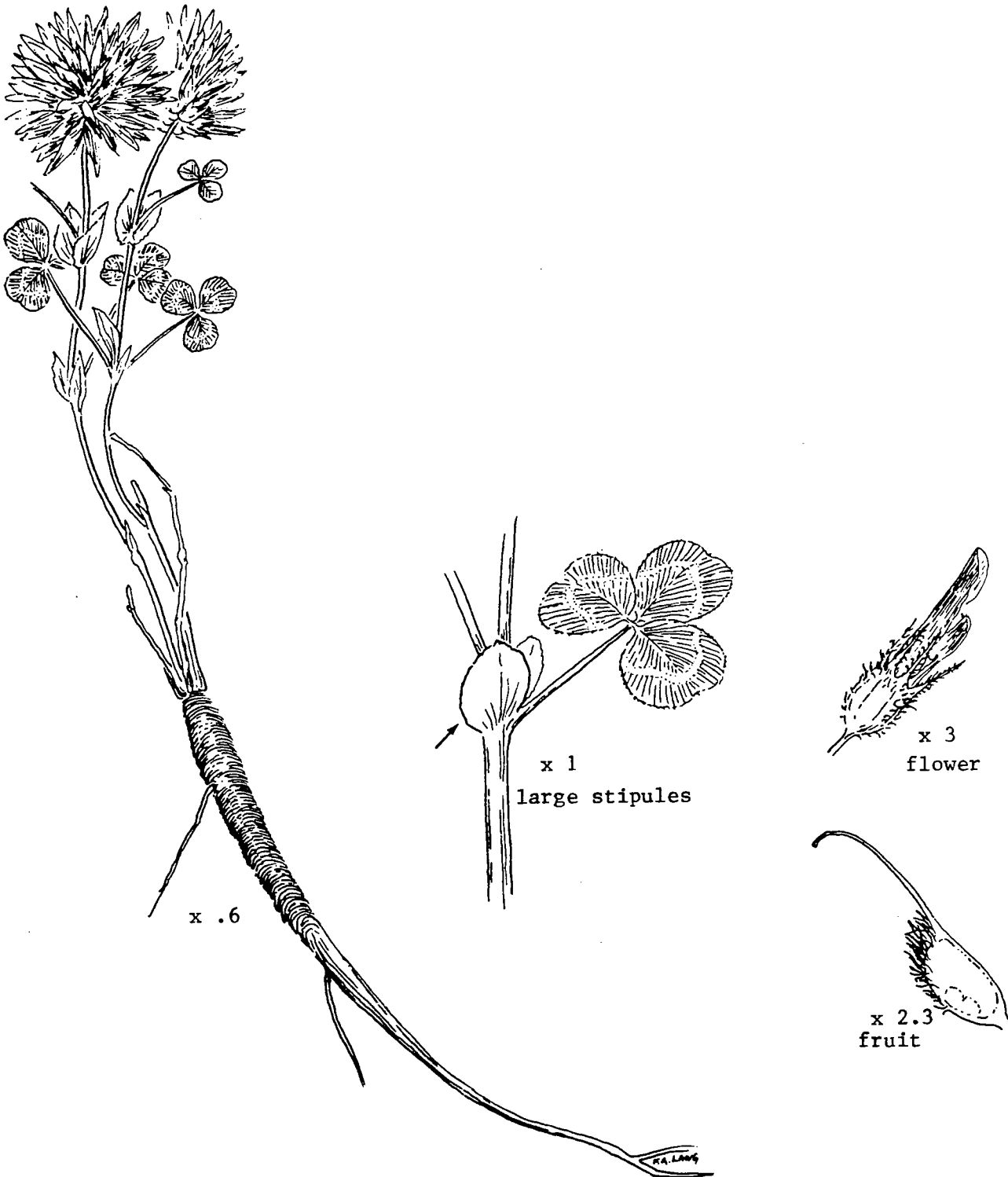
Threats: Removal of required substrate for road construction material, off-road vehicles

#### Key Characteristics

Large flower heads  
Flowers rose-colored  
Leaflets in threes  
Individual leaflets are  
circular  
Restricted habitat

Trifolium owyheense

Owyhee Clover



Legal Description of all Sensitive Plants in the Boise District  
February 23, 88

T1N, R4W, Sec. 3,4	Chaenactis cusickii
Sec. 13,22,24	Phacelia lutea var. calva
R5W, Sec. 7	Gymnosteris nudicaulis
Sec. 21	Eriogonum salicornoides
R2E, Sec. 28,33	Texosporium sancti-jacobi
R6E, Sec. 11	Primula wilcoxiana
R7E, Sec. 24	Stylocline filaginea
R8E, Sec. 30	Primula wilcoxiana
R21E, Sec. 13	Stipa webberi
R23E, Sec. 2,3,34	" "
R24E, Sec. 3	Eriogonum salicornoides
R30E, Sec. 18	Gymnosteris nudicaulis
T2N, R1W, Sec. 24	Lepidium montanum var. papilliferum
R3W, Sec. ?	Malacothrix glabrata
R4W, Sec. 17	Glyptopleura marginata
Sec. 22 or 23	Chaenactis cusickii
Sec. 22 or 23	Camassia cusickii
R5W, Sec. 22,27	Chaenactis cusickii
Sec. 27	Phacelia lutea var. calva
R7E, Sec. 7,8,11,31	Primula wilcoxiana
T3N, R2W, Sec. 23	Lepidium montanum var. papilliferum
R5W, Sec. 4,8	Eriogonum salicornoides
Sec. 2	Malacothrix torreyi
R6W, Sec. 26,35	Phacelia lutea var. calva
R2E, Sec. 1,2	Allium aaseae
Sec. 2,12,14	Astragalus mulfordiae
Sec. 2,12	Lepidium montanum var. papilliferum
Sec. 2	Primula wilcoxiana
R3E, Sec. 20	Lepidium montanum var. papilliferum
R4E, Sec. 21	Primula wilcoxiana
R6E, Sec. 31	Primula wilcoxiana
R29E, Sec. 32	Gymnosteris nudicaulis
T4N, R3W, Sec. 10,15	Gymnosteris nudicaulis
R1E, Sec. 13	Lepidium montanum var. papilliferum
Sec. 13	Allium aaseae
R2E, Sec. 15,35,36	Astragalus mulfordiae
Sec. 14,15,16	Primula wilcoxiana
Sec. 6-9,15-17,20,21,23,25,26,34-36	Allium aaseae
R3E, Sec. 20,21	Allium aaseae
Sec. 20,31	Primula wilcoxiana
T5N, R3W, Sec. 17	Eriogonum salicornoides
Sec. 6	Lepidium montanum var. papilliferum
R5W, Sec. 10	Lepidium m. var. papilliferum
R1E, Sec. 1,4,7-10,14,15,17,22-28	Allium aaseae

T5N, R2E, Sec. 24	<i>Primula wilcoxiana</i>
R2E, Sec. 27,34	<i>Allium aaseae</i>
R7E, Sec. 24	<i>Epipactis gigantea</i>
T6N, R1W, Sec. 1-3,10-12,221-24,33,34	<i>Allium aaseae</i>
Sec. 30	<i>Primula wilcoxiana</i>
R2W, Sec. 8	<i>Lepidium montanum</i> var. <i>papilliferum</i>
Sec. 25	<i>Primula wilcoxiana</i>
R1E, Sec. 24,36	<i>Allium aaseae</i>
R2E, Sec. 28,34	<i>Allium aaseae</i>
R5E, Sec. 33	<i>Epipactis gigantea</i>
R11E, Sec. 35	<i>Epipactis gigantea</i>
T7N, R1W, Sec. 19	<i>Gymnosteris nudicaulis</i>
R2E, Sec. 28	<i>Lepidium montanum</i> var. <i>papilliferum</i>
	<i>Primula wilcoxiana</i>
T8N, R1W, Sec. 13,24,25	<i>Camassia cusickii</i>
R4W, Sec. 33	<i>Gymnosteris nudicaulis</i>
	<i>Lepidium montanum</i> var. <i>papilliferum</i>
R5E, Sec. 1,8,10	<i>Epipactis gigantea</i>
T9N, R5W, Sec. 12	<i>Astragalus mulfordiae</i>
R3E, Sec. ?	<i>Primula wilcoxiana</i>
T10N, R5W, Sec. 36	<i>Astragalus mulfordiae</i>
Sec. 10	<i>Haplopappus radiatus</i>
T11N, R3W, Sec. 33	<i>Haplopappus radiatus</i>
R4W, Sec. 21,28,32	<i>Astragalus mulfordiae</i>
Sec. 13,24	<i>Peraphyllum ramosissimum</i>
R5W, Sec. 26,29,5	<i>Astragalus mulfordiae</i>
Sec. 3,33	<i>Haplopappus radiatus</i>
T12N, R19E, Sec. 28	<i>Eatonella nivea</i>
T13N, R5W, Sec. 14,23,25,35	<i>Peraphyllum ramosissimum</i>
T14N, R5W, Sec. ?	<i>Astragalus vallis</i>
Sec. 33	<i>Peraphyllum ramosissimum</i>
R6W, Sec. 8	<i>Astragalus vallis</i>
Sec. 9,10	<i>Haplopappus radiatus</i>
R7W, Sec. 23	<i>Astragalus vallis</i>
R18E, Sec. 3	<i>Malacothrix torreyi</i>
T15N, R5W, Sec. 33	<i>Peraphyllum ramosissimum</i>
T17N, R5W, Sec. 26	<i>Haplopappus radiatus</i>
Sec. 27 or 28	<i>Camassia cusickii</i>
R14E, Sec. 22	<i>Epipactis gigantea</i>
T18N, R4W, Sec. 3,4,9 10,21,33	<i>Camassia cusickii</i>
Sec. 3,4,13,35	<i>Astragalus vallis</i>
R21E, Sec. 12	<i>Epipactis gigantea</i>

T19N, R4W, Sec. 17,20

*Camassia cusickii*

T1S, R1W, Sec. 28,32,35  
R2W, Sec. 28,29,33,34  
R3W, Sec. 14  
R4W, Sec. 6

T1S, R5W, Sec. 13  
Sec. 13,19  
Sec. 30  
Sec. 28,30  
Sec. 4,9,19,20,31,34  
Sec. 9,19,28,30  
R6W, Sec. 36

Sec. 1

R4E, Sec. 9  
Sec. 14  
R6E, Sec. 3  
R11E, Sec. ?  
R18E, Sec. 18  
R19E, Sec. ?

T2S, R1W, Sec. 9  
Sec. 6  
R2W, Sec. 3,4,23,32  
Sec. 10  
Sec. 15  
R3W, Sec. 2  
Sec. 32  
Sec. 16  
Sec. 17  
R4W, Sec. 24  
Sec. 23  
R5W, Sec. 36  
R6W, Sec. 11

Sec. 11,12  
R1E, Sec. 17  
R2E, Sec. 11  
Sec. 2  
R5E, Sec. 20  
R9E, Sec. 18  
R16E, Sec. 12  
R18E, Sec. 3,18,20

T3S, R2W, Sec. 10,12  
Sec. 2  
Sec. 22  
R3W, Sec. 20  
R4W, Sec. 2  
R5W, Sec. ?  
R6W, Sec. 14

*Eriogonum shockleyi* var. *shockleyi*  
*Astragalus camptopus*  
*Astragalus mulfordiae*  
*Chaenactis cusickii*  
*Dimersia howellii*  
*Dimersia howellii*  
*Chaenactis cusickii*  
*Astragalus sterilis*  
*Eriogonum salicornoides*  
*Mentzelia mollis*  
*Phacelia lutea* var. *calva*  
*Eriogonum salicornoides*, *Phacelia*  
*lutea* var. *calva*  
*Stylocline filaginea*, *Dimersia*  
*howellii*  
*Stylocline filaginea*  
*Lepidium montanum* var. *papilliferum*  
*Primula wilcoxiana*  
*Primula wilcoxiana*  
*Eriogonum salicornoides*  
*Gymnosteris nudicaulis*

*Glyptopleura marginata*  
*Astragalus mulfordiae*  
*Astragalus camptopus*  
*Eriogonum salicornoides*  
*Glyptopleura marginata*  
*Eriogonum salicornoides*  
*Nemacladus rigidus*  
*Pediocactus simpsonii* var. *robustior*  
*Eatonella nivea*  
*Cryptantha propria*  
*Eriogonum salicornoides*  
*Mentzelia mollis*  
*Astragalus sterilis*, *Eriogonum*  
*salicornoides*  
*Phacelia lutea* var. *calva*  
*Mentzelia torreyi* var. *acerosa*  
*Lepidium davisii*  
*Glyptopleura marginata*  
*Astragalus camptopus*  
*Astragalus atratus* var. *owyheensis*  
*Astragalus atratus* var. *inseptus*  
" " "

*Astragalus camptopus*  
*Malacothrix glabrata*  
*Glyptopleura marginata*  
*Dimersia howellii*  
*Astragalus atratus* var. *owyheensis*  
*Mentzelia mollis*  
*Phacelia lutea* var. *calva*,  
*Trifolium owyheense*

T3S, R1E, Sec. 7,25,29,31	Malacothrix glabrata
Sec. 7	Eatonella nivea
R2E, Sec. 11,21,31	Lepidium davisii
R3E, Sec. 23,27	Lepidium davisii
R4E, Sec. 22,28,31,33,36	" "
R5E, Sec. 20,35	" "
R6E, Sec. 23 (or 26,35)	Lepidium montanum var. papilliferum
R9E, Sec. 1	Stylocline filaginea
R10E, Sec. 19	Stylocline filaginea
R11E, Sec. 3	" "
R12E, Sec. 4,7,9	Stipa webberi
R13E, Sec. 19	" "
R16E, Sec. 9,16	Gymnosteris parvula
Sec. 6	Astragalus atratus var. inseptus
R17E, Sec. 27	" "
R20E, Sec. 7	Gymnosteris nudicaulis
Sec. 10,19	Astragalus atratus var. inseptus
R24E, Sec. 21	Gymnosteris nudicaulis
T4S, R1W, Sec. 4	Astragalus kentrophyta var. jessiae
Sec. 23,24	" "
R3W, Sec. 7	Phacelia minutissima
R1E, Sec. 5,10	Eriogonum salicornoides
Sec. 33	Glyptopleura marginata
R2E, Sec. 25,30	Eriogonum salicornoides
R3E, Sec. 1,12	Lepidium davisii
R4E, Sec. 2-8,13,16-19,21,22,27	" "
R5E, Sec. 1,2,6,17,17,31	" "
R6E, Sec. 9,29	" "
R11E, Sec. 31	Eatonella nivea
R16E, Sec. 18	Astragalus atratus var. inseptus
R17E, Sec. 6	Stylocline filaginea
T5S, R1W, Sec. 8	Eriogonum salicornoides
R1E, Sec. 11	" "
R3E, Sec. 22	" "
Sec. 7	Astragalus kentrophyta var. jessiae
Sec. 11,22	Astragalus mulfordiae
Sec. 17	Malacothrix glabrata
R5E, Sec. 6	Lepidium davisii
Sec. 14	Eriogonum shockleyi var. shockleyi
R6E, Sec. 9,17,19,21	Lepidium davisii
Sec. 29	Eriogonum salicornoides
Sec. 9	Lepidium montanum var. papilliferum
R7E, Sec. 24	" "
R8E, Sec. 23,24	Gymnosteris nudicaulis
R9E, Sec. 30,32	" "
Sec. 18	Lepidium montanum var. papilliferum
Sec. 34	Astragalus atratus var. owyheensis
R10E, Sec. 3	Gymnosteris nudicaulis
R11E, Sec. 7	Malacothrix glabrata
R12E, Sec. 6	Mentzelia torreyi var. acerosa



T6S, R3E, Sec. 22,34  
Sec. 27  
R5E, Sec. 24

Sec. 33  
Sec. 35  
R6E, Sec. 8,10  
Sec. 11,32  
Sec. 22  
Sec. 18  
Sec. 16,21  
Sec. 18,26  
R9E, Sec. 8  
R10E, Sec. 16  
R11E, Sec. 7,22  
R13E, Sec. 20  
Sec. 33

T7S, R2W, Sec. 6,7  
R3W, Sec. 4  
R1E, Sec. 14  
R2E, Sec. 14  
  
Sec. 23  
R3E, Sec. 2-5,7,9  
Sec. 3  
Sec. 4,5  
  
Sec. 4  
Sec. 5  
R5E, Sec. 5,20,21,30,31  
Sec. 30  
Sec. 5,31  
Sec. 20  
Sec. 1,2,20  
Sec. 20  
R6E, Sec. 7  
Sec. 3,26,34,36  
Sec. 34  
  
Sec. 17-20  
Sec. 36  
R12E, Sec. 14  
R13E, Sec. 32  
  
Sec. 25  
R15E, Sec. 33

T8S, R1W, Sec. 36  
R1E, Sec. 13,23,24  
R2E, Sec. 2,28,36  
R3E, Sec. 27,31,35  
R5E, Sec. 19  
Sec. 6  
Sec. 18

*Astragalus camptopus*  
*Mentzelia torreyi* var. *acerosa*  
*Astragalus camptopus*, *Epipactis*  
*gigantea*, *Eriogonum salicornoides*  
*Mentzelia torreyi* var. *acerosa*  
*Eriogonum shockleyi* var. *shockleyi*  
*Eriogonum salicornoides*  
*Malacothrix glabrata*  
*Cymopterus acaulis* var. *greeleyorum*  
*Astragalus kentrophyta* var. *jessiae*  
*Eatonella nivea*  
*Eriogonum shockleyi* var. *shockleyi*  
" " "  
*Gymnosteris nudicaulis*  
*Mentzelia torreyi* var. *acerosa*  
*Astragalus atratus* var. *inseptus*  
" " "

*Astragalus yoder-williamsii*  
*Astragalus camptopus*  
*Gymnosteris nudicaulis*  
*Astragalus camptopus*, *Glyptopleura*  
*marginata*  
*Malacothrix torreyi*  
*Astragalus camptopus*  
*Malacothrix glabrata*  
*Mentzelia torreyi* var. *acerosa*,  
*Eriogonum shockleyi* var. *shockleyi*  
*Glyptopleura marginata*  
*Astragalus mulfordiae*  
*Astragalus camptopus*  
*Malacothrix glabrata*  
*Astragalus kentrophyta* var. *jessiae*  
*Astragalus mulfordiae*  
*Eriogonum shockleyi* var. *shockleyi*  
*Glyptopleura marginata*  
*Astragalus camptopus*  
*Mentzelia torreyi* var. *acerosa*  
*Peteria thompsonae*, *Glyptopleura*  
*marginata*  
*Eriogonum shockleyi* var. *shockleyi*  
*Astragalus kentrophyta* var. *jessiae*  
*Gymnosteris nudicaulis*  
*Astragalus atratus* var. *owyheensis*,  
*Astragalus atratus* var. *inseptus*  
*Gymnosteris nudicaulis*  
*Gymnosteris nudicaulis*

*Astragalus yoder-williamsii*  
*Pediocactus simpsonii* var. *robustior*  
" " "  
" " "  
*Mentzelia torreyi* var. *acerosa*  
*Astragalus camptopus*  
*Peteria thompsonae*, *Glyptopleura*  
*marginata*

T8S, R6E, Sec. 3,9	Mentzelia torreyi var. acerosa,
Sec. 21	Peteria thompsonae
Sec. 20	Peteria thompsonae
Sec. 16,21	Astragalus camptopus
R7E, Sec. 6	Eatonella nivea
R8E, Sec. 18	Astragalus kentrophyta var. jessiae
R13E, Sec. 10	Gymnosteris nudicaulis
R14E, Sec. 29	Mentzelia torreyi var. acerosa
	" " "
T9S, R1W, Sec. 3,8,10	Astragalus yoder-williamsii
R6W, Sec. 36	Dimersia howellii
R1E, Sec. 13	Gymnosteris parvula
R2E, Sec. 1	Pediocactus simpsonii var. robustior
R5E, Sec. 5	Astragalus kentrophyta var. jessiae,
	Mentzelia torreyi var. acerosa
R13E, Sec. 11	Astragalus atratus var. owyheensis
R14E, Sec. 10	Mentzelia torreyi var. acerosa
R15E, Sec. ?	" " "
T10S, R2W, Sec. 4,6	Erigeron latus
R3W, Sec. ?	Hackelia ophiobia
Sec. 2,8	Astragalus yoder-williamsii
Sec. 27	Artemisia packardiae
R4W, Sec. 1,20	Gymnosteris parvula
Sec. 21,23,31	Astragalus yoder-williamsii
Sec. 20,21	Erigeron latus
R5W, Sec. 6	Dimersia howellii
Sec. 22,36	Astragalus yoder-williamsii
R6W, Sec. 1	Dimersia howellii
R4E, Sec. 4,9	Pediocactus simpsonii var. robustior
Sec. 9,17,21	Lepidium davisii
R5E, Sec. 23	" "
R6E, Sec. 11,22	" "
R7E, Sec. 33	" "
Sec. 35	Leptodactylon glabrum
R8E, Sec. 15	Gymnosteris parvula
R12E, Sec. 14	Gymnosteris nudicaulis
T11S, R4W, Sec. 11,14	Astragalus yoder-williamsii
R6E, Sec. 2,22	Lepidium davisii
T12S, R3W, Sec. 15	Erigeron latus
R4W, Sec. 20 ?	" "
R5W, Sec. 31,32	Pediocactus simpsonii var. robustior
R6E, Sec. 13	Lepidium davisii
R7E, Sec. 6,18	" "
T13S, R2W, Sec. 5	Hackelia ophiobia
R3W, Sec. 25	" "
Sec. 15,22,27,28,33	Erigeron latus
R5W, Sec. 6	Pediocactus simpsonii var. robustior
R6E, Sec. 3,18,22,23,27	Lepidium davisii

T14S, R1W, Sec. 18  
R5W, Sec. 11  
Sec. 23  
R1E, Sec. 26  
R6E, Sec. 2,22,23  
R8E, Sec. 5  
R13E, Sec. 7  
R15E, Sec. 23,,31,32

T15S, R4W, Sec. 22  
Sec. 19,21,22  
Sec. 15  
R5W, Sec. 28  
  
R7E, Sec. 19  
R11E, Sec. 34  
R12E, Sec. 11 (or adjacent)

T16S, R4W, Sec. 13  
  
R5W, Sec. 16  
R3E, Sec. 18  
R9E, Sec. 11  
R14E, Sec. 2  
Sec. 29  
R15E, Sec. 7

*Artemisia packardiae*  
*Hackelia ophiobia*  
*Lupinus uncialis*  
*Astragalus atratus* var. *owyheensis*  
*Lepidium davisii*  
*Leptodactylon glabrum*  
*Astragalus atratus* var. *owyheensis*  
*Lepidium davisii*

*Eatonella nivea*  
*Lupinus uncialis*  
*Artemisia packardiae*  
*Eriogonum salicornoides*,  
*Phacelia lutea* var. *calva*  
*Leptodactylon glabrum*  
*Erigeron latus*  
" "

*Lupinus uncialis*,  
*Malacothrix torreyi*  
*Hackelia ophiobia*  
*Stylocline filaginea*  
*Astragalus atratus* var. *owyheensis*  
*Stipa webberi*  
*Glyptopleura marginata*  
" "